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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/573,543

03/27/2006

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7334

24131 7590 05/28/2009  
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EXAMINER

CRUZ, LESLIE PILAR

ART UNIT

PAPER NUMBER

2826

MAIL DATE

DELIVERY MODE

05/28/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/573,543	<b>Applicant(s)</b> BOGDAN ET AL.	
	<b>Examiner</b> Leslie P. Cruz	<b>Art Unit</b> 2826	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 May 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)   |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application   |
| Paper No(s)/Mail Date _____  | 6) <input checked="" type="checkbox"/> Other: <a href="http://www.merriam-webster.com/dictionary/external">http://www.merriam-webster.com/dictionary/external</a> |



## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 05/15/2009 has been entered.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 16 is rejected under 35 U.S.C. 102(b) as being anticipated by Izumi et al. (US 5,400,072).

With respect to claim 16, Izumi et al. (Figs. 12A, 12B, 17A, 17B) discloses an optical module, comprising: a circuit carrier [column 18 lines 47-19, 56-57]; a housing [portion of 1 under ring-shaped support 116] including at least sections with a ring-shaped support [115, 116] formed thereon, the housing disposed on the circuit carrier; a semiconductor element [6] disposed in the housing; and a lens unit [L1-L4, 114, 200] configured for projecting electromagnetic radiation onto the semiconductor element [column 24 lines 9-12 and claim 1 lines 13-15], the lens unit including a base lens [L4];

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wherein the semiconductor element and the lens unit are formed in two parts, the base lens includes at least sections formed with a collar [bottom surface of L4] that has a shape corresponding to the ring-shaped support that is formed on the housing [column 4 lines 3-5], and the collar of the base lens is directly supported on the ring-shaped support that is formed on the housing; and wherein the lens unit includes a lens holder [200] and the lens holder is supported by the circuit carrier substantially without being supported by the housing, and wherein the base lens is disposed externally from the housing.

### ***Response to Arguments***

Applicant's arguments filed 05/15/2009 have been fully considered but they are not persuasive.

Applicant argues Fig. 17A of Izumi et al. shows the lens L4, which rests on projection 116 of the cylindrical lens holder 1, is disposed inside the cylindrical lens holder 1 and that in contrast to the teaching in Izumi et al., however, claim 16 now specifies that the base lens is disposed externally from the housing, and that the collar of the base lens is directly supported on the ring-shaped support that is formed on the housing.

However, the Examiner interpreted that the base lens L4 is disposed externally (i.e., situated outside, apart, or beyond) from the housing [portion of 1 below 116] where the semiconductor element is disposed. Therefore, claim 16 is not patentably distinguishable over the Izumi et al. reference.

***Telephone/Fax Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leslie P. Cruz whose telephone number is 571-272-8599. The examiner can normally be reached on Monday-Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisors, Sue A. Purvis can be reached on 571-272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/LPC/  
Examiner, Art Unit 2826

/Sue A. Purvis/  
Supervisory Patent Examiner, Art Unit 2826